

District Name: Spencer District Code: 541 Facility Name: Spencer County High School School Code: 050

Project Name: Spencer County High School Culinary Arts Lab Renovation

**PROJECT TYPE:** Yes No Gross Building Area (sf.)

New Building ☐ ☐ \_\_\_\_\_

Addition ☐ ☐ \_\_\_\_\_

Renovation ☐ ☒ 1,150

Provisions for Future Expansion: N/A

Proposed Alternates: (1) None  
(2) \_\_\_\_\_  
(3) \_\_\_\_\_

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.

Interior Fit-up

**BUILDING CONSTRUCTION CHARACTERISTICS:**

Description of Building Structure:

Foundation: Existing Concrete Slab and Footings

Exterior Walls: Existing CMU / Masonry

Roof Structure: Existing Steel Joist / Metal Roof Deck

**ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):**

N/A Energy Consumption "Existing" (kBtu/sf/yr)

N/A Energy Consumption Target (kBtu/sf/yr)

YES NO

☐ ☒ LEED Certified Other: \_\_\_\_\_

☐ ☒ Designed to meet Energy Star

☐ ☒ Exceeds ASHRAE 90.1(2007) by 10% (Minimum)

☐ ☒ Whole Building Life Cycle Cost Analysis Demonstrating Cost Effective Design

Life Cycle Cost Analysis Software Used: \_\_\_\_\_

If not yes to one or more of the above, explain why. \_\_\_\_\_

☐ ☒ Designed to be Net-Zero

☐ ☒ Designed to be Net-Zero Ready

**Energy Efficient Design Features: ( See List Page 4, or Use Drop Down List)**

East / West Building Orientation ☐ YES ☒ NO

Gross Exterior Wall Area (sf): N/A - Existing Avg. Exterior Wall R-Value: N/A - Existing

Gross Window / Door Area (sf): N/A - Existing Avg. Window/Door R-Value: N/A - Existing

Gross Roof Area (sf): N/A - Existing Avg. Roof R-Value: N/A - Existing

Exterior Wall Type: \_\_\_\_\_ Other: Existing

Roofing Type: \_\_\_\_\_ Other: Existing

HVAC System Type: \_\_\_\_\_ Other: existing water source heat pump

Classroom Lighting: \_\_\_\_\_ Other: existing to remain

Active Daylighting: \_\_\_\_\_ Other: n/a

Passive Daylighting: \_\_\_\_\_ Other: n/a

On Site Energy Generation: \_\_\_\_\_ Other: n/a

Air Purification Systems : YES ☐ NO ☒Gray Water System : YES ☐ NO ☒Low Water Use Fixtures : YES ☐ NO ☒

Other: \_\_\_\_\_

**PLUMBING:**Type of Sewage Disposal: Municipal**HEATING, VENTILATION AND AIR CONDITIONING:**Heating Only: \_\_\_\_\_ Heating & Mechanical: \_\_\_\_\_ HVAC: X A/C Only: \_\_\_\_\_  
Ventilation Only

Fuel Source/Backup (if applicable): \_\_\_\_\_

**ELECTRICAL:**Source of Electric Power: local utilityVoltage Serving Facility: 480V/3-phase

Number of Convenience Outlets:

Classrooms existing to remainLibrary/Media Center existing to remainBusiness Ed existing to remainFamily & Consumer Science existing to remainCamera System: existing to remain

Lighting Intensity (fc.):

Std. Classrooms existing to remainLibrary/Media Ctr existing to remainScience Lab existing to remainScience Clrm existing to remainBand/Music existing to remainBusiness Ed existing to remainShops existing to remainCorridors existing to remainStairways existing to remainCafeteria existing to remainPre-School Clrm existing to remainArt Classroom existing to remainGymnasium existing to remain**SPECIAL EQUIPMENT:**

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	_____	_____	<u>existing to remain</u>
Clock	_____	_____	<u>existing to remain</u>
Fire Alarm	_____	_____	<u>existing to remain</u>
Intercom	_____	_____	<u>existing to remain</u>
Telephone	_____	_____	<u>existing to remain</u>
Television	_____	_____	<u>existing to remain</u>
Computer	_____	_____	<u>existing to remain</u>
Wireless Network	_____	_____	<u>existing to remain</u>
Interactive White bd	_____	_____	<u>existing to remain</u>
Voice Amplification	_____	_____	<u>existing to remain</u>

**FIXED EQUIPMENT:**

Teacher Cabinet	<u>N/A</u>	Custodial Room Shelves	<u>N/A</u>
Student Lockers	<u>N/A</u>	Science Laboratories	<u>N/A</u>
Folding Bleachers	<u>N/A</u>	Family & Consumer Sci	<u>Sinks, Hood</u>
Library Furnishings	<u>N/A</u>	Other	_____
Dry Food Shelves	<u>N/A</u>	Other	_____

**INTERIOR FINISH SCHEDULE:**

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	N/A	N/A	N/A	N/A
Corridors	N/A	N/A	N/A	N/A
Custodial	N/A	N/A	N/A	N/A
Kitchen	N/A	N/A	N/A	N/A
Cafeteria	N/A	N/A	N/A	N/A
Gym	N/A	N/A	N/A	N/A
Showers/Locker	N/A	N/A	N/A	N/A
Toilets	N/A	N/A	N/A	N/A
Library/Media Cntr	N/A	N/A	N/A	N/A
Classrooms	N/A	N/A	N/A	N/A
Music	N/A	N/A	N/A	N/A
Art	N/A	N/A	N/A	N/A
Science	N/A	N/A	N/A	N/A
FMD	N/A	N/A	N/A	N/A

**OTHER AREAS**

Culinary Arts	VCT	None	Painted CMU	ACT
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Miscellaneous Project Specific Features: \_\_\_\_\_

Kentucky Registered Architect:

Allison Commins  
Signature

Date: 8/22/19

Kentucky Registered Engineer:

\_\_\_\_\_  
Signature

Date: \_\_\_\_\_

Board Designee or Superintendent:

\_\_\_\_\_  
Signature

Date: \_\_\_\_\_

**Energy Efficient Design Features Lists**

**Exterior Wall Type**

- A - face brick, captured air space, board insulation and waterproof CMU
- B - face brick, captured air space, sprayed insulation on CMU
- C - face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D - face brick, ICF poured concrete, interior finish system
- E - other, describe

**Roofing Type List**

- A - modified bitumen over rigid insulation
- B - EPDM over rigid insulation
- C - plastic single ply over rigid insulation
- D - metal roofing over nailable deck with insulation
- E - asphalt shingle roofing over nailable deck with insulation
- F - other, describe

**HVAC System Type List**

- A - two pipe unit ventilator system
- B - water source heat pump system with air make up
- C - ground source heat pump system with air make up
- D - hybrid water source heat pump system with boiler/chiller and well field with air make up
- E - variable refrigerant flow (VRF) with air make up
- F - hybrid geothermal/variable refrigerant flow (VRF) with air make up
- G - variable refrigerant volume (VRV) with air make up
- H - hybrid geothermal/variable refrigerant volume (VRV) with air make up
- I - chilled beam system
- J - hybrid chilled beam/geothermal system
- L - other

**Classroom Lighting List**

- A - T8 fluorescent fixtures
- B - T5 fluorescent fixtures
- C - high energy gas fixtures
- D - low voltage systems
- E - other

**Active Daylight System List**

- A - classroom fluorescent dimming including dimming switches, ballasts and sensors
- B - occupancy light control sensors
- C - remote sensor bi-level lighting with no fixtures dimming
- D - manual bi-level lighting with no fixture dimming
- E - other
- F - none

**Passive Daylight Systems List**

- A - upper classroom clerestory lighting with sloped ceiling plane
- B - lower classroom clerestory lighting that does NOT require sloping the ceiling place
- C - exterior light shelves
- D - solar tubes without dimming
- E - solar tubes with internal dimmers
- F - other
- G - none

**On Site Energy Generation List**

- A - solar water heating
- B - solar electric generation (small units for demonstration or for limited areas)
- C - solar electric generation (to support the entire building's energy needs)
- D - wind generation (small units for demonstration or for limited areas)
- E - wind generation (to support the entire building's energy needs)
- F - other
- G - none

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For Reference